RESTORATION			UPDATED 8/14/2006			
ACTION	LEAD	CONTRIBUTOR COLLABORATOR	R WHAT WILL YOU DO / DELIVER?	STATUS 7-18-06	REFINED OUTCOME	KEY NEXT STEPS
R-2: Increase the safety of Gulf communities	es by better	understanding the risks of loc	alized sea level rise, storm surge, and subsidence			
36-Month Outcome:	0. 1/					
 Develop a prototype decision-support tool that allows (level rise, and subsidence information for at least one pi 						
Develop a pilot Community Resiliency Index for Gulf community						
Action Blueprint:	T					
			NOAA will provide funding to the Louisiana Spatial Reference			
			Center at LSU to enhance the coastwide network of elevation			
			benchmarks, including the CORS (Lead: NOS NGS) Several of the Gulf USACE districts may be able to contribute			
			to this effort, as relevant to Corps studies and projects.			
			EPA will collaborate with the action lead(s) to help integrate the			
	Louisiana		Agency's data and information resources into the overall design of this action.			
Enhance the coast-wide network of elevation	Spatial		MS will provide in-kind support.			
benchmarks, including the Continuously Operating	Reference		FL NERR sites will continue active participation in the CORS.			
Reference System (CORS), to deliver subsidence rates			, The Louisiana Spatial Reference Center at LSU will coordinate			
accurate to 1 millimeter per year.	LSU	NOAA USACE, EPA	with NOAA on this action.			
			USGS will provide relevant information, technical advise and			
			recommendations.			
			NOAA will provide web based data on relative sea level trends and analysis tools for Gulf Coast National Water Level			
			Observation Network Stations with over 25 years of data.			
			NOAA will also provide frequency and duration of inundation	At the June 2006 meeting in Biloxi, the restoration		
			analyses on existing NWLON stations. (Lead: NOS CO-OPS, EGT Habitat Program)	team discussed that this action could be an early success for the team. USGS and NOAA have		
			USACE (New Orleans District) will be collecting this data and	done some work on this, and that information		
			can share it; other districts may also be able to contribute	should be included in the State meetings to		
			information.	develop a conservation-oriented hazards		
			USFWS will make available data from the National Wetlands Inventory and contribute technical advice and	assessment. Texas already has an extensive coast-wide network of monitoring stations to study		
			recommendations to this effort.	sea level rise. This will probably be enhanced		
			EPA will collaborate with the action lead(s) to help integrate the			
			Agency's data and information resources into the overall design of this action. Additionally, EPA's representative to the	Institute at Texas A&M University and TCOON.		
Obtain information on projected relative sea level			CWPPRA Task Force will submit a proposal through the	years. That is not long enough, so we need to be		
rise, subsidence, and storm vulnerability to help		Louisiana,	program's annual solicitation process to potentially help further	sure that those stations stay there or are		
prioritize conservation projects, including restoration,	11000	Mississippi,	support this action.	reinstated.		
enhancement, and acquisition.	USGS	NOAA, USACE USFWS, EPA	MS, LA will provide in-kind support.			

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				USGS will provide technical advice and oversight on the	
				development and application of ecosystem models.	
				The USACE Science and Technology Workgroup for the LCA	
				can contribute to this, and other districts may also be able to	
				contribute.	
				NSF could fund model development, but the agency's ability to	
				support proposed research and studies is dependent on the	
				submission of proposals and peer review of those proposals.	
				USFWS will provide technical advice in the development of	
				ecosystems models.	
3. Develop and apply ecosystem models to forecast				EPA will provide collaborative support to the action lead(s) by	
the habitat structure and succession following hurricane				way of providing strategic data and information access and	
disturbance and changes in ecological functions and			USFWS, EPA,	support relative to EPA monitoring programs and that have the	
services that impact vital socioeconomic aspects of			NSF, Louisiana,	potential to apply value to this action.	
coastal systems.	USGS	USACE	Mississippi	MS, LA will provide in-kind support.	
,			1.1	1155	Doug Marcy at CSC is the new NOAA point of
				NOAA will develop a model and decision support tools for more	
				accurate storm surge and coastal flood forecasting building on	
				enhanced observations, topographic and bathymetric data	decision support tools for more accurate storm
				collection, vertical datum transformation, and ecological and	surge and coastal flood forecasting in FY07. A
				societal analysis. (Lead NOAA CSC)	new water level gage has been purchased and will
				FL will help coordinate the development of an improved storm	be added to the Weeks Bay NERR. New high
				surge model for the Pensacola, Florida, area.	resolution topographic and bathymetric data has
				USACE and USGS are collaborating on developing coastal	been collected for the project study area (Mobile
4. Develop a management tool that enhances resiliency	,			vulnerability maps based on lidar data collected through the	Bay to Walton County, FL). Vertical
of Gulf Coast communities to storm surge and flooding				USACE National Coastal Mapping Program. These	transformation tools for the study area will be
through improved data, models, tools, and				standarized maps and LIDAR data are available to support this	
methodologies for at least one pilot study area in the				action.	analysis will be conducted starting in FY07 and
Gulf region, including the Pensacola, Florida, area.	NOAA	Florida, USACE	Louisiana	LA will provide in-kind support.	continuing into FY08.
					NOAA developed an on-line searchable database
					for Coastal Storm Program products and services
					available through the following URL:
					http://www.csc.noaa.gov/csp. Storm surge and
				NOAA will provide staff to develop an on-line searchable	other storm related products and services are
5. Develop an inventory of existing NOAA storm surge				database of NOAA storm surge and other storm related	available through a web based storm data
and other storm related products and services that				products and services that will be consistent with existing	resources guide. Additional storm surge related
includes data and observations, models, tools, and				NOAA Coastal Storm Program products and services. (Lead:	products and services will be added to this guide
outreach and education activities over different time				NOAA CSC)	in FY07. URL is
scales.	NOAA		Louisiana	LA will provide in-kind support.	http://www.csc.noaa.gov/storm_info
					Topo/bathy inventory - Phase 2: organizing data
					into a unified geospatial display is complete.
					Phase 3: attributing each dataset with dataset
					characteristics (date of collection, sensor,
					resolution, datum, etc) is in progress. Currently
				NOAA will develop an inventory of the topographic and	developing a delivery mechanism for inventory.
				bathymetric data available in the Gulf of Mexico suitable for	Eval. techniques - All background research has
				use in storm surge and inundation modeling, evaluate the	been done and appropriate contacts have been
				techniques of developing a integrated seamless topo/bathy	made. Techniques report is in draft form.
				surface, and develop an integrated topo/bathy product for a	Pilot area in Florida - Data has been collected and
				pilot area in Florida. (Lead: NOAA CSC)	has been converted to a common format. Waiting
6. Inventory and integrate topographic and bathymetric				USACE can provide LIDAR and coastal mapping data to	for a beta version of VDatum to be released so
data for improved storm surge and inundation modeling				NOAA under USACE National Coastal Mapping Program.	topography can be integrated with bathymetry with
for one or more pilot areas in the Gulf region.	NOAA	USGS, USACE	Lousiana	LA will provide in-kind support.	the greatest accuracy.
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7. Determine how to enhance coastal communities resilience to disaster and begin to identify a methodology for the development of a resilliency index.	NOAA		ity of Research and Application resilient communities and s Center, for the Gulf of Mexico Co	ast. (Lead: NOAA CSC)	NOAA participated in a session on disaster resilient communities at the 2006 Annual Hazards Research and Applications Workshop in Boulder, CO in July of 2006. In addition, NOAA held a special Salon with national experts on the CRI x subject titled "Toward a Community Resilience Index – Exploring the Conceptual Framework," in Boulder, Colorado, on July 7, 2006.	
8. Coordinate, as appropriate, unified five Gulf State support for the collection of comprehensive shallow water bathymetry data (e.g., LIDAR) to support improved storm surge modeling and more accurate emergency evacuation assessments.	Identification of Lead still pending	USACE Lousiar	4 years around the US, ir National Coastal Mapping	3 0		